



InsP5 2-kinase Monoclonal Antibody

Catalog No	YP-mAb-14789
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IPPK
Immunogen	The antiserum was produced against synthesized peptide derived from human IPPK. AA range:11-60
Specificity	InsP5 2-kinase Monoclonal Antibody detects endogenous levels of InsP5 2-kinase protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C9orf12;Ins(1;3;4;5;6)P5 2 kinase;InsP5 2 kinase;INSP5K2;IP5K;IPK1;IPK1 homolog;IPPK;KIAA0699;InsP5 2-kinase;Inositol-pentakisphosphate 2-kinase;Inositol-1;6-pentakisphosphate 2-kinase;6)P5 2-kinase
Observed Band	56kD
Calculated Molecular Weight	56kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Ubiquitously expressed, with high expression in heart, brain, testis and placenta.
Function	catalytic activity:ATP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate = ADP + 1D-myo-inositol hexakisphosphate.,domain:The EXKPK motif is conserved in inositol-pentakisphosphate 2-kinases of both family 1 and 2.,function:Phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). InsP6 is involved in many processes such as mRNA export, non-homologous end-joining, endocytosis, ion channel regulation. It also protects cells from TNF-alpha-induced apoptosis.,similarity:Belongs to the IPK1 type 2 family.,tissue specificity:Ubiquitously expressed, with high expression in heart, brain, testis and placenta.,

**Background**

The protein encoded by this gene is a kinase that phosphorylates position 2 of inositol-1,3,4,5,6-pentakisphosphate to form inositol-1,2,3,4,5,6-hexakisphosphate (InsP6). InsP6 has a variety of functions, including stimulation of DNA repair, endocytosis, and mRNA export. [provided by RefSeq, Nov 2010],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images